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(54) **CELL CULTURE MEDIA FOR ENHANCED PROTEIN PRODUCTION**

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Related U.S. Application Data

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(58) **Field of Classification Search** 435/404,
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See application file for complete search history.

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(57) **ABSTRACT**

Culture media for in vitro cell culture which contain substantially saturated amounts of selected amino acids improve protein production, constrain cell growth and extend cell longevity, methods for the production and use of such media, and systems for the production of protein utilizing such media and methods.

14 Claims, 9 Drawing Sheets